BRUHATH BANGALORE MAHANAGARA PALIKE

Office of the Executive Engineer, (Project) Rajarajeshwari Nagara Zone, B .B. M. P., Bangalore

Tender Notification No: BBMP/EE/Proj/RRN/11/2000-21 Date: 06.08.2020

Indent No:- BBMP/2020-21/BD/WORK_INDENT 44026

NEGOTIATED SCHEDULE 'B'

Name of the Work:- "Construction of Old age homes and other buildings in JP Park Ward No.17

Sl no	Description of work	Unit	Qty	Rate in Fig	In Words
1	Earth work excavation for foundation of structures upto 3 mtrs.by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM etc., complete. - do - In all types of soils. complete as per the direction of the Engineer in-charge	Cum	484.86	100.00	Rupees One hundred only
2	Earth work excavation for foundation of structures upto 3 mtrs.by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM etc., complete. - do - Soft rock / Ordinary Rock (Without blasting). complete as per the direction of the Engineer in-charge.	Cum	41.79	100.00	Rupees One hundred only
3	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. complete as per the direction of the Engineer in-charge.	Cum	369.36	400.00	Rupees Four hundred only
4	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches,stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specification, complete as per the direction of the Engineer in-charge.	Cum	15.75	350.00	Rupees Three hundred and fifty only

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5	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) complete as per the direction of the Engineer in-charge.	Sqm	1105	120.00	Rupees One hundred and twenty only
6	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. complete as per the direction of the Engineer in-charge.	Cum	597	368.00	Rupees Three hundred and sixty eight only
7	Providing and laying in position Plain Cement Concrete of Mix 1:4:8 with OPC cement @ 180kgs, with 40mm & down size graded granite metal coarse aggregates @ 0.85 cum & fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification complete as per the direction of the Engineer in-charge.	Cum	174.1	6000.00	Rupees Six thousand only
8	Providing and laying in position Plain Cement Concrete of mix 1:2:4 with OPC cement @ 240kgs, with 20mm & down size graded granite metal coarse aggregates @ 0.878 cum & fine aggregates @ 0.53 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation, plinth and Cills including cost of all materials, labour, HOM of machinery, curing complete as per specification. complete as per the direction of the Engineer in-charge.	Cum	60.7	6000.00	Rupees Six thousand only
9	Providing and laying in position plain cement concrete of nominal mix 1:3:6 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM machinery, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Cum	3.71	6000.00	Rupees Six thousand only

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10	Driving cast-in-place vertical R.C.C. 500mm dia. piles with OPC cement design mix M30 @ 360 kgs, CA0.69M3, FA0.46 M3 with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 lts conforming to IS 9103-199 Reaffirmed-2008 excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications. complete as per the direction of the Engineer in-charge.	Mtr	1312	7000.00	Rupees Seven thousand only
11	Cement Concrete for Reinforced Concrete in Pile Cap per Drawing and Technical Specification complete as per specifications. C. RCC with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008. Case-I: Using Concrete Mixer MORTH Specification No.1100, 1500 & 1700, complete as per the direction of the Engineer in-charge.	Cum	84.4	8000.00	Rupees Eight thousand only
12	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix M25 with OPC cement @ 340 Kgs with down size graded granite metal coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plasticisers @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, Maichine mixed, concrete laid in layers not exeeeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Piers, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, Anchor blocks, Plain windows cills, Filliets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification , complete as per the direction of the Engineer in-charge.	Cum	7.4	8000.00	Rupees Eight thousand only
13	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of Ready Mixed Concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) M30 grade complete as per the direction of the Engineer in-charge.	Cum	377.66	8000.00	Rupees Eight thousand only
14	Providing and laying cement concrete using 20 mm and down size granite jelly of Ready mixed concrete (RMC) M-25 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel, fabrication charges and plastering.) complete as per the direction of the Engineer in-charge.	Cum	81.76	8000.00	Rupees Eight thousand only

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15	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plasticisers @ 0.225 Ltrs machine mixed well compacted Plain Chajja 8.50 Cms avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	41	550.00	Rupees Five hundred and fifty only
16	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Cum	55.93	6000.00	Rupees Six thousand only
17	Providing Lath Plaster with cement mortor 1:3, 5 Cm thick with 6 mm dia mild steel bars @ 20 cm c/c both horizontally & Vertically fixed Chicken Mesh for drop chejja , facia, Backing to cupboard including cost of all materials, labour, providing & removing form work H O M of Machinery , curing, complete as per specifications.complete as per the direction of the Engineer in-charge.	Sqm	50	1214.00	Rupees One thousand two hundred and fourteen only
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. complete as per the direction of the Engineer in-charge.	Sqm	91.5	400.00	Rupees Four hundred only
19	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Foundations, footings , bases of columns for mass concrete including cost of all materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	414.86	335.00	Rupees Three hundred and thirty five only
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides & soffits of Beams, beam haunchings, cantilever girders, bressumers & Lintels & not exceeding 1.0 m in depth including cost of all materials, labour complete as per specifications.	Sqm	1395.3	550.00	Rupees Five hundred and fifty only
21	Providing and removing centering, shuttering, strutting, propping etc., for Columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification.	Sqm	576.27	550.00	Rupees Five hundred and fifty only

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22	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Flat Surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications.More than 3.50 Mtr From Ground level. complete as per the direction of the Engineer in-charge.	Sqm	1079.1	750.00	Rupees Seven hundred and fifty only
23	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	47.9	850.00	Rupees Eight hundred and fifty only
24	Providing and removing centring, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) Except Spiral Staircase including cost of all materials,labour complete as per specification and directed by the Engineer in Charge. complete as per the direction of the Engineer in-charge.	Sqm	23.6	850.00	Rupees Eight hundred and fifty only
25	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Columns, pillars,post and struts, Circular or Curved in Plan including cost of all materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	13	950.00	Rupees Nine hundred and fifty only
26	Providing and removing centering, shuttering, strutting, propping etc., for Chajjas, corbels of all shapes & sizes, at all elevations & heights. complete as per the direction of the Engineer in-charge.	Sqm	40.3	500.00	Rupees Five hundred only
27	Extra For providing throating or Drip moulding to RCC chajjas with plastreing(labour charges only), as perspecification, complete as per the direction of the Engineer in-charge.	M	99	38.00	Rupees Thirty eight only
28	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. complete as per the direction of the Engineer in-charge.	Tonne	54.73	91000.00	Rupees Ninety one thousand only
29	Providing and Placing un-coated TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position of lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (Flats, hooks & wastage shall not be measured and paid) including cast of materials, labours, HOM complete as per specifications. complete as per the direction of the Engineer in-charge.	Tonne	38.97	91000.00	Rupees Ninety one thousand only

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30	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	105	6300.00	Rupees Six thousand three hundred only
31	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	126.5	160.00	Rupees One hundred and sixty only
32	Providing and constructing Burnt Brick Masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. GROUND FLOOR	Cum	217	8500.00	Rupees Eight thousand five hundred only
33	Providing and constructing Burnt Brick Masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. TERRACE FLOOR. complete as per the direction of the Engineer in-charge.	Cum	41.9	8500.00	Rupees Eight thousand five hundred only
34	Construction of partition wall 11.2 cms thick with non modular ground moulded burnt bricks of class designation with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanised iron of nominal thickness 0.35 mm. 100 mm. wide as per I.S. 2212/1991 at 7.5 m. c/c including cost of materials, labour charges, scaffolding, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	132	1046.00	Rupees One thousand and forty six only
35	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.- do - with solid concrete blocks of size 400x200x200mm. complete as per the direction of the Engineer in-charge.	Sqm	141	1200.00	Rupees One thousand two hundred only
36	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.- do - with solid concrete blocks of size 400x200x200mm, complete as per the direction of the Engineer in-charge.	Sqm	182	1200.00	Rupees One thousand two hundred only

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37	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to concrete wall including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of aterials, labour, curing complete as per specifications. Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 12mm thick cost of materials omplete as per specifications. Inside plastering for Sump, complete as per the direction of the Engineer in-charge.	Sqm	43.5	250.00	Rupees two hundred and fifty only
38	Providing 12mm thick cement plaster in single coat with cement mortor 1:3, to ceiling including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	1133	325.00	Rupees three hundred and twenty five only
39	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	18.2	325.00	Rupees three hundred and twenty five only
40	Providing 15mm thick cement plaster in single coat with cement mortor 1:3, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(internal) complete as per the direction of the Engineer in-charge.	Sqm	1334.4	325.00	Rupees three hundred and twenty five only
41	Providing rough cement plastering 15 mm thick in single coat with cement mortor 1:6, to brick masanary for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	861	325.00	Rupees three hundred and twenty five only
42	Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to Brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.External Plastering GROUND FLOOR complete as per the direction of the Engineer in-charge.	Sqm	813	325.00	Rupees three hundred and twenty five only
43	Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to Brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.External Plastering TERRACE FLOOR complete as per the direction of the Engineer in-charge.	Sqm	406	325.00	Rupees three hundred and twenty five only

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44	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to concrete wall including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. Outside plastering for Sump , complete as per the direction of the Engineer in-charge.	Sqm	50.88	325.00	Rupees three hundred and twenty five only
45	Providing 18m thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	678.4	325.00	Rupees three hundred and twenty five only
46	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. Plaster Mesh 150 mm wide complete as per the direction of the Engineer in-charge.	M	200	40.00	Rupees Forty only
47	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. Plaster Mesh 200 mm wide, complete as per the direction of the Engineer in-charge.	M	200	40.00	Rupees Forty only
48	Providing & applying Two coats of wall putty to inside plasterd walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of materials , cost of labour and scaffolding etc complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	2468	90.00	Rupees Ninety only
49	Providing & applying Painting in in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thouroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications with a) Primer (Internal) complete as per the direction of the Engineer in-charge.	Sqm	1334.4	125.00	Rupees one hundred and twenty five only

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50	Providing & applying Painting in in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thouroughly brushing the surface free from mortar drops and other forign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications with a) Primer c) Extra over item 15.51.1 for Painting two cats with plastic emulsion paint of approved brand and shade on ceiling or sloping roof as per specifications, complete as per the direction of the Engineer in-charge.	Sqm	1133	125.00	Rupees one hundred and twenty five only
51	Providing & finishing external walls in two coats over one coat of 100 % acrylic silicon glazed primer with Antifungal paint for top coat of approved brand and shade to give an even shade after thourghly brooming the surfacfe to remove all dirt and loose powdered material, free from mortar drops and and other foreign matter , cost of materails , labour, complete as per specifications, complete as per the direction of the Engineer in-charge.	Sqm	1219	250.00	Rupees two hundred and fifty only
52	Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer, complete as per the direction of the Engineer in-charge.	Sqm	710.8	115.00	Rupees One hundred and fifteen only
53	Providing Melamine polishing of approved shade including removing and refixing of doors shutters scraping with blade and rubbing with zero size sand paper and applying sealer coat by way of spraying with necessary compressor and applying patty after rubbing with steel wool including two coats of approved shade of Melamine polish etc., complete as per the direction of the Engineer in-charge.	Sqm	10.1	970.00	Rupees Nine hundred and seventy only
54	Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	94.1	57.00	Rupees fifty seven only
55	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	94.1	110.00	Rupees One hundred and ten only
56	Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc., including cost of materials, labour, HOM complete as per specifications.	Each	33	885.00	Rupees Eight hundred and eighty five only

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57	Applying Red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	2400.1	47.00	Rupees Forty seven only
58	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	2400.1	108.00	Rupees One hundred and eight only
59	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed, including cost of materials, mortar, labour, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	17.8	3678.00	Rupees Three thousand six hundred and seventy eight only
60	Providing and fixing Special make glazed Vitrified tiles of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc., cost of materials, mortar, labour etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	799.3	1246.00	Rupees One thousand two hundred and forty six only
61	Flooring with 25mm thick polished tandur blue stone slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS. complete as per the direction of the Engineer in-charge.	Sqm	175	1700.00	Rupees One thousand seven hundred only
62	Providing and fixing for flooring 20mm thick sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials, mortar, labour, curing etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	164	3000.00	Rupees Three thousand only
63	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing, cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials, mortar, labour, curing etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	15.5	5053.00	Rupees Five thousand and fifty three only

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64	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	15	4016.00	Rupees Four thousand and sixteen only
65	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. complete as per the direction of the Engineer in-charge.	M	24.2	204.00	Rupees Two hundred and four only
66	Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortor 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. size 30x30cms, complete as per the direction of the Engineer in-charge.	Sqm	106	1375.00	Rupees One thousand three hundred and seventy five only
67	Providing skirting, dadoing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	475.7	1329.00	Rupees One thousand three hundred and twenty nine only
68	Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage. complete as per the direction of the Engineer in-charge.	Sqm	1017.2	709.00	Rupees Seven hundred and nine only
69	Providing TEAK WOOD frames of doors, windows, clerestory windows, and other frames, wrought, framed or assembledincluding making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications, complete as per the direction of the Engineer in-charge.	Cum	0.15	181533.00	Rupees One lakh eighty one thousand five hundred and thirty three only
70	Providing Honne Wood frames of doors, windows, clerestory windows, and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications, complete as per the direction of the Engineer in-charge.	Cum	0.94	101233.00	Rupees One lakh one thousand two hundred and thirty three only

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Rajarajeshwari Nagar Zone

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71	Providing and fixing in position fully panelled Teak wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	5.1	8098.00	Rupees Eight thousand and ninety eight only
72	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all-round door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991. From manufacturer (Factory) complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	47.1	3578.00	Rupees Three thousand five hundred and seventy eight only
73	Providing & Fixing of 3-Track x 2 panel sliding windows made out of multi chambered UPVC (Matching to RAL - 9016) Sections and eith minimum TiO (Titanium Dioxide) at 6PHR with TPV (Thermo Plastic Vulcasized) and lead free, gaskets - grey colour having isolated drainage and reinforced with galvanized iron profile through-out the window frame. the outer frame having a over all size of 108 mm width X 45 mm height with reinforcement of 1mm thk & sash with over all size of 39mm x 75mm with GI Reinforcement of 3mm & mesh sash of size 30mm x 48.5 mm. Glazing bead for fixing of glases shall be of size 20mm x 24mm. Windows shall be provided with 5mm Plane float glass, Standerad hardware & single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size 2419mm X 2119mm.complete as per the direction of the Engineer in-charge.	Sqm	132.3	5920.00	Rupees Five thousand nine hundred and twenty only
74	Providing and fixing 65mmx90mm GRP Doorframe fabricatedusing E-Glass Chopped Strand Mat (CSM). U.V-stabilizedIsopthalic Gelcoat and Isopthalic resin. The thickness of the GRPskin shall not be less than 2.0 mm. The doorframe consists of foursegmens, which are providedwithplug-in-socket arrangementin-situ in the mould. The segments are plugged in and are joinedtogether by means of screws. The GRP frame shall be providedwith wooden reinforcement of 6 locations fro high screw holdingcapacity for fixing metallic hold fast and shall be consolidated byfilling with medium density foam/Plaster with fibre reinforcement.Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat holdfast shall be provided with the frame. complete as per the direction of the Engineer in-charge.	Sqm	123.8	510.00	Rupees Five hundred and ten only

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75	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural, complete as per the direction of the Engineer in-charge.	Sqm	39.4	3402.00	Rupees Three thousand four hundred and two only
76	Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions. complete as per the direction of the Engineer in-charge.	kgs	2390	108.00	Rupees One hundred and eight only
77	Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. complete as per the direction of the Engineer in-charge.	Sqm	10.1	5907.00	Rupees Five thousand nine hundred and seven only
78	Providing and fixing Stainless steel 304 Grade for staircase railing, Balconys Ramps with hand rails 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification, complete as per the direction of the Engineer in-charge.	kgs	8.8	6827.00	Rupees Six thousand eight hundred and twenty seven only
79	Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. complete as per the direction of the Engineer in-charge.	Nos	20	1548.00	Rupees One thousand five hundred and forty eight only

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80	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	4	4789.00	Rupees Four thousand seven hundred and eighty nine only
81	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	13	5620.00	Rupees Five thousand six hundred and twenty only
82	Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps C.I dtrap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	6	5642.00	Rupees Five thousand six hundred and forty two only
83	Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with single 15mm C.P brass pillar tap with single elbow operated lever, C.I / M.S brackets, 32 mm C.P.brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wher ever required, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	20	4628.00	Rupees Four thousand six hundred and twenty eight only
84	Providing & fixing Stainless steel Kitchen sink of Size 400x915 mm bowl depth 160 mm with drain board, MS / CI bracket, Stainless steel plug 40 mm, painting of Fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	1	8500.00	Rupees Eight thousand five hundred only
85	Providing and fixing 600x450mm Bevellaed edge mirror of superior glass with 6mm thick hard board backing and fixed wooden cleats with CP screws, washers, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	20	1311.00	Rupees One thousand three hundred and eleven only

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86	Providing and fixing C P brass towel rail 600 mm length 20 mm with C P bracket fixed to wooden cleats with CP brass screws, washers, including cost of materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	8	765.00	Rupees Seven hundred and sixty five only
87	Providing & fixing CI Nahani trap of approved make confirming to ISI specification and construction of cistren in M 15 as per directions, complete as per the direction of the Engineer in-charge.	Each	50	284.00	Rupees Two hundred and eighty four only
88	Providing and fixing CP. Health faucet with flexible hose,CP Angle valve, wall flange, supporting hook with screws, fixing materials and sealant to all sides of wall flange complete. complete as per the direction of the Engineer in-charge.	Each	15	945.00	Rupees Nine hundred and forty five only
89	Providing and fixing in position C P soap dish with pair of fixing screws and fixing material complete, complete as per the direction of the Engineer in-charge.	Each	10	454.00	Rupees Four hundred and fifty four only
90	Providing and fixing in position Brass bib cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	30	195.00	Rupees One hundred and ninety five only
91	Providing and fixing in position brass Stop cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications, complete as per the direction of the Engineer in-charge.	Each	10	160.00	Rupees One hundred and sixty only
92	Providing and fixing in un plasticised PVC Connection pipe with brass union 15 mm nominal bore 450 mm length of PVC connection including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	25	300.00	Rupees Three hundred only
93	Providing and fixing in position 25 mm nominal bore gun metal non return valve horizantal type of approved make including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	2	665.00	Rupees Six hundred and sixty five only
94	Providing and fixing to wall, ceiling and floor , High density polyethylene pipes 6.00 kgf /sqcm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications. a) 63 mm dia complete as per the direction of the Engineer in-charge.	Mtr	20	450.00	Rupees four hundred and fifty only
95	Providing and fixing to wall, ceiling and floor , High density polyethylene pipes 6.00 kgf /sqcm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications. b) 75 mm dia complete as per the direction of the Engineer in-charge.	Mtr	30	500.00	Rupees Five hundred only

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96	Providing and fixing to wall, ceiling and floor , High density polyethylene pipes 6.00 kgf /sqcm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications. c) 90 mm dia complete as per the direction of the Engineer in-charge.	Mtr	50	600.00	Rupees Six hundred only
97	Providing and fixing to wall, ceiling and floor , High density polyethylene pipes 6.00 kgf /sqcm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications. d) 110 mm dia complete as per the direction of the Engineer in-charge.	Mtr	50	674.00	Rupees Six hundred and seventy four only
98	Providing & Fixing in position heavy duty C P grating with frame of below mentioned sizes including jointing and fixing material complete.a) 75 mm dia complete as per the direction of the Engineer in-charge.	Each	50	170.00	Rupees One hundred and seventy only
99	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing the pipes with the clamp at 1.00 mtr spacing . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (Internal works) (Concealed work including cutting chases and good the walls etc.) A)15mm dia pipe nominal OD pipes , complete as per the direction of the Engineer in-charge.	Mtr	30	233.00	Rupees Two hundred and thirty three only
100	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing the pipes with the clamp at 1.00 mtr spacing . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (Internal works) (Concealed work including cutting chases and good the walls etc.) B)20mm dia pipe nominal OD pipes, complete as per the direction of the Engineer in-charge.	Mtr	100	265.00	Rupees Two hundred and sixty five only
101	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. a) of 20mm dia, complete as per the direction of the Engineer in-charge.	Each	12	382.00	Rupees Three hundred and eightytwo only
102	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. b) of 25mm dia, complete as per the direction of the Engineer in-charge.	Each	2	509.00	Rupees Five hundred and nine only

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103	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. c) of 32mm dia, complete as per the direction of the Engineer in-charge.	Each	2	940.00	Rupees Nine hundred and forty only
104	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. d) of 50mm dia, complete as per the direction of the Engineer in-charge.	Each	1	2000.00	Rupees two thousand only
105	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) complete as per the direction of the Engineer in-charge.	ltr	4	8500.00	Rupees eight thousand five hundred only
106	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (External works 15mm dia pipe nominal OD pipes, complete as per the direction of the Engineer in-charge.	Mtr	5	140.00	Rupees One hundred and forty only
107	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (External works 20 mm dia pipe nominal OD pipes, complete as per the direction of the Engineer in-charge.	Mtr	50	154.00	Rupees One hundred and fifty four only
108	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (External works 25 mm dia pipe nominal OD pipes, complete as per the direction of the Engineer in-charge.	Mtr	50	188.00	Rupees One hundred and eightyeight only
109	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (External works 32 mm dia pipe nominal OD pipes, complete as per the direction of the Engineer in-charge.	Mtr	100	250.00	Rupees two hundred and fifty only

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